

CALIFORNIA ENERGY COMMISSION1516 NINTH STREET
SACRAMENTO, CA 95814-5512

Stage 1 Results
Emerging Technology Demonstration Grant Program PON-08-006
June 7, 2009

On January 13, 2009 the California Energy Commission (Energy Commission) released a competitive grant solicitation for both electricity and natural gas energy efficiency technologies of relevance to California under the Industrial, Agricultural and Water Energy Efficiency Program of the Public Interest Energy Research (PIER) Program. The solicitation was structured as a two-stage solicitation and announced that at least \$4.4 million in funding was available and that more might be awarded.

The first stage was a request for qualification, which consisted of a three (3) page project abstract that was scored on a pass/fail basis. The first stage ensures that only those technologies that are technically advanced to the industrial demonstration stage submit the complete application.

The abstracts were screened, reviewed, evaluated, and scored using the criteria prescribed in the solicitation. The attached table identifies each of the applicants who passed the stage 1 review and are invited to submit formal proposals (stage 2).

This notice is being mailed to all parties who submitted a proposal to this solicitation and is also posted on the Energy Commission website as follows:

<http://www.energy.ca.gov/contracts/>

Persons wishing further information about this matter may contact Anish Gautam at (916) 654-4196, acgautam@energy.state.ca.us.

KAREN DOUGLAS, Chairman
Research, Development and Demonstration Committee



California Energy Commission
PIER Industrial, Agriculture and Water Program
Emerging Technology Demonstration Grants Program (ETDG)



PON-08-006

Stage 1 Results

Abstract Number¹	Abstract Title	Applicant	Pass/Not Pass
1	Water and Waterwater projects	Cascade Clean Energy, Inc	Pass
2	Energy Efficiency	Misted Horizons	Did Not Pass
3	Water Power and Energy Storage	K. R. Broome & Associates	Did Not Pass
4	Integrated system for reducing water consumption and wastewater discharge of biodiesel production facilities in California	American Biodiesel, Inc	Pass
5	Official RawSolar, Inc. PIER Abstract Proposal	Raw Solar, Inc	Did Not Pass
6	Advanced Software for Demand and Energy Reduction in California Pipelines	Mc2 Consulting, Inc	Pass
7	Macrosound Technology Demonstration at Wastewater Treatment Plant	Macro-Dynamic Inc.	Pass
8	Demonstration of Zinc-flow Energy Storage System	Premium Power Corporation	Pass
9	Use of Emerging Technology to Provide Automated Demand Response in Smaller Wastewater Treatment Plants	Avinox, Inc; DBA LimeAmps	Did Not Pass
10	Improve Energy Efficiency and reduce carbon Footprints of Wastewater Treatment through the use of Nano and Polymer additives during Sludge Dewatering	Kennedy/Jenks Consultants	Pass
11	One-Cycle Control Peak Load Reduction (OCC-PLR) System Repurposing Transportation Batteries for Customer-Side PLR	One-Cycle Control, Inc.	Pass
12	Solar-Assisted Industrial Heating	GTI	Pass
14	Demonstration of Direct Current Power Distribution in Data Centers	EPRI	Pass

¹ Abstract Number is used for internal tracking and does not represent ranking of the submitted abstracts.



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15	Variable AirFlow Management with Direct Expansion Computer Room Air Conditioning (CRAC) Units in Data Centers	EPRI	Pass
16	Customer-Side Storage Project Abstract	New Power Technologies	Did Not Pass
17	DXV Water Technologies	DXV Water Technologies	Did Not Pass
18	San Francisco Bay Area Biosolids to Energy Project (BA-B2E)	Delta Diablo Sanitation District	Did Not Pass
19	Research Demonstration of Solar Thermal Cooling in Ca Wineries	LBNL	Pass
20	Wastewater Membrane Filtration System Demonstration for Recovery of Water for Evaporative Cooling Towers in Food Processing Industry	GTI	Pass
21A	High-Efficiency Submersible Mixers for Waste Water Pond Aeration	Pax Water Technologies, Inc.	Pass
21B	High-Efficiency Server Fans	Pax Scientific, Inc.	Pass
21C	Aggressive Humidity Control in Supermarket for Electric Demand and Energy Savings	Pax Streamline, Inc.	Pass
21D	Passive Solar Desalination with COP > 15	Pax Streamline, Inc.	Did Not Pass
22	Demonstration of Airflow Rate Reduction and Energy Conservation Technology for California Cleanroom Facilities	Engsysco, Inc.	Pass
23	Stockton Port Gateway Industrial Park Project	OSIsoft, Inc	Pass
24	Solar Water Desalination System	World View Water, Inc.	Pass
25	Supercritical CO2 for Industrial Textile Cleaning Methods	CO2Nexus, Inc.	Pass

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26	Application of High Capacity Electric Energy Storage Via Vanadium Redox Flow Batteries, in conjunction with Fuel Cells, to a Wastewater treatment Facility.	UC Irvine	Pass
27A	Data Center Economizer Cooling with Tower Water	LBNL	Pass
27B	Demonstration of Intelligent Control for an Enterprise Datacenter	LBNL	Pass
29	Demonstration of Data Center Energy Savings Available through Elimination of Refrigeration Loops	Clustered Systems Company, Inc.	Pass
30	Energy Storage	SustainX, Inc	Did Not Pass
31	Demonstration of System Approach for AirFlow Management in Data Centers	EPRI	Did Not Pass
32	Smart Disaster Response Technologies	Smart Disaster Response Technologies, Inc	Did Not Pass
33	Test tool for networked attached storage and storage-aware network devices.	SwiftTest, Inc.	Did Not Pass
34	Energy Storage for Peak Load Reduction	Solar Hydrogen Energy Company	Did Not Pass
35	Abstract Submission for Green Wireless Systems, Inc	Green Wireless Systems, Inc.	Pass
36	Response to ETDG	Steam Power Partners	Did Not Pass
37A	Low Energy Membrane Bioreactor	Global Energy Partners, LLC	Did Not Pass
37B	Green Waste Digester: Energy Recovery from Scrap Food Waste using Anaerobic Digestion	Global Energy Partners, LLC	Pass
37C	Microwave Generated UV Disinfection Demonstration	Global Energy Partners, LLC	Did Not Pass

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37D	Ultrasonic Disintegration of Sewage Sludge to Increase Methane Production	Global Energy Partners, LLC	Did Not Pass
37E	Hy-Thane (Hydrogen-Methane) Production in Anaerobic Digesters	Global Energy Partners, LLC	Pass
37F	Employing Advanced Water Treatment Technologies for Onsite Water Reuse within the Food Processing Industry	Global Energy Partners, LLC	Pass
39	Heatsheetz, batteries and energy optimization (HABANERO)	Heatsheetz, Inc	Did Not Pass
40	Water Solutions abstract	Water Solutions, Inc	Did Not Pass
41	Concentrated Solar Power Dish/Engine (CSP-D/E) System	UC Davis	Pass
42	ThermVolt System	Entech Solar	Pass
43	Renewable Biogas Energy Recovery at the Wild Wings Wastewater Treatment Plant	Williams Engineering Associates	Did Not Pass
44	A Proposal to Improve Operational and Energy Efficiency in Data Centers Using Wireless Mesh Instrumentation and Control Network	SynapSense Corp.	Pass
45	Fiscalini Farms Emerging Technology Research Project	Fiscalini Farms	Pass
46	Division 9 - Irrigation Enhancement Project	South San Joaquin Irrigation District	Did Not Pass
47	Energy Storage and Renewable Energy Demonstration	HDR Engineering, Inc	Did Not Pass
48	Skanden Energy Biomass Boiler	Skanden Energy, LLC	Did Not Pass
49	FeCr Flow Battery	Deeya Energy, Inc	Pass
50	ZnCl ₂ Energy Cell	Primus Power Corporation	Did Not Pass

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